GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

RD – NTR Jala Siri Phase-II – Bore wells project for small and marginal farmers where additional groundwater recharge available in the State of Andhra Pradesh - Certain Guidelines issued.

PANCHAYAT RAJ & RURAL DEVELOPMENT (RD.II) DEPARTMENT

G.O.MS.No. 108 **Dated: 11-12-2015**

Read:

LetterNo.3392/NTRJS-Phase-II/2015, Dt.12.10.2015 from the Commissioner, Panchayat Raj and Rural Development, A.P., Hyderabad.

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ORDER :

In the letter read above, the Commissionner, PR&RD, AP, Hyderabad has submitted proposal of NTR Jala Siri Phase-II bore well project for small and marginal farmers for the backward 7 Districts ie., Srikakulam, Vizianagaram, Vishakapatnam, Chittoor, Kurnool, YSR Kadapa and Anantapuramu in the State of Andhra Pradesh.

2. Accordingly, Government after careful examination of the proposal hereby approve the NTR Jala Siri Phase-II Project and issue the following guidelines duly adhering to the frame work of the Andhra Pradesh Water, Land and Trees Act, 2002.

Guidelines :-

I ***The Mission:-***

(a) Government have decided to go in for bore wells initially in the seven districts of the state i.e., (4 Rayalaseema and 3 North Costal districts) by optimally utilizing the available ground water resources and recharge levels.

(b) Energising the existing 10,000 borewells of the individuals already drilled in the command area of seven backward districts.

(c) Identified about 29,941 additional bore wells in command areas and 20,668 bore wells in non-command areas. In the non-command areas bore wells basically selected in high rain fall in three north costal districts keeping in view the fact that availability of water is relatively high for possible recharge.

II. ***Objectives of the bore wells project***

Conjunctive use of surface and ground water:-

The programme essentially focus on utilization of available water resources and to promote conjunctive use of surface water and groundwater. This ensures recharge of groundwater extracted from new bore wells from surface water in the vicinity and also recharge from applied irrigation in command areas.

III. ***Optimal use of available Groundwater resources – improving the Primary sector GSDP:***

(a) Optimal use of available groundwater resources by adopting additional recharge and high water use efficiency system like micro irrigation etc., helps improving the livelihoods of the farmers and there by considerably scale up the primary sector GSDP. Based on the annual replenish ground water resource and present utilization levels, certain additional bore wells have been found feasible in the

state, especially in command areas. However, the basic norm of limiting the total utilization not exceeding 70% of the available groundwater resource in the area (Safe Areas) is kept in mind.

(b) Providing adequate water for the agriculture activities is one of the pre-requisites for achieving Double Digit Growth in primary sector/ agriculture sector. The proposed new additional bore wells are expected to enhance/ supplement the existing water supplies to the agriculture activity. Proposing minimum one recharge pit or water harvesting structure in the vicinity of the bore well together with implementation of better management practices like MIP (drip and sprinkler) help maintain groundwater sustainability. Keeping in view all the above facts it is proposed to take up selective bore well programme for eligible and needy small and marginal farmers.

(c) The programme is planned to be a convergence with funds to be provided under Mahatma Gandhi National Rural Employment Guarantee Scheme, TRANSCO, Special Development Package and other Government funds.

IV ***Procedure :-***

(a) District Committee / State Committee – Summary

APPLICATION PROCESS

(i) The eligible beneficiary shall submit filled in application along with the following documents :

- Copy of pattedar pass book and aadhar card for identification as he/she is a small and marginal farmer or not, (Small and Marginal Farmer in Rayalaseema area different)
- Site feasibility certificate for drilling of bore well.

(ii) The Ground Water Department shall undertake 'Site selection' by conducting groundwater investigations (by utilising services of certified geologists/ geophysicists, field geologists of RD Dept., etc.,) and issue feasibility certificate. During the groundwater survey, the AP WALTA norms should be followed and the expected yield should be more than 4,500 liters per hour, for recommending bore well site. The farmer will be guided about the design and construction of well. During survey, lat/longs should be collected along with the photograph of beneficiary/ beneficiaries in the selected site.

- Note:- Separate sub head for cost norms to be added.

(b) Scrutiny of application:-

(i) The APO/EC of DWMA of concerned Mandal Shall Scrutinize the application and certificates submitted by the beneficiary.

(ii) The eligible applications after scrutiny have to be submitted to the District Committee by PO/MPDO/MRO of the concerned Mandal for according sanction of the scheme.

(c) Sanction of Scheme by the District Level Committee:-

The District level committee will examine the recommendations received from the mandal level committee and accord sanction of the scheme to the eligible beneficiaries.

(d) Communication of approved Sanction:-

The District level committee will send the approved sanction to the beneficiaries through PO/ MPDO of the concerned Mandal.

Description	Units & Cost Rs.	Command Area Rs.	Non-Command Area Rs.	Funds
1	2	3	4	5
Drilling of Bore Wells	**Command area** 200 Fts **Non-Command** Area 300 Fts (Rs.80/- per ft.)	6,000.00	24,000.00	MGNREGS
Casing	20 Mts. Rs.400/- per Mtr.	8,000.00	8,000.00	
Recharge pits/ Small Water Harvesting Structure	Unit	5,000.00	5,000.00	
Energisation	1 unit TRANSCO subsidy	50,000.00	50,000.00	TRANSCO
Motor & Accessories	1 unit	40,000.00	40,000.00	Beneficiaries Contribution on Energisation and Motor cost : 5% (Rs.4,500/- to SC/ST & 20% (Rs.18,000/-) to others.
Total each Bore Well cost Rs.	1	1,19,000.00	1,27,000.00	

(e) Coverage and process details:

(i) Registered list of beneficiaries will be communicated to Ground water department by the District committee for site selection.

(ii) The GWD with the services of GWD Geologists, APSIDC geologists, Field geologists of RD, Registered geologists and other geologists appointed on outsourcing basis for this work, shall take up site selection.

(iii) The GWD will also impart need based trainings to the above.

(iv) Selected sites will be communicated to District committee for approval.

(v) Sanctioned farmers will take up drilling work of bore wells on their own as per the suggestion of the geologist.

(vi) Maximum depth is 200 feet in command area, 300 feet in non-command area and Minimum bore well yield required is 4500 ltr per hour.

(vii) After drilling of the bore well, the details are to be documented in the form of bore well completion report by the inspecting officer.

(viii) The successful bore well list will be communicated to APTRANSCO for enerzisation.

(ix) The farmer will purchase motor and accessories from the paneled list of suppliers with ISI make.

(x) MIP/Horticulture department will take up the drip and sprinkler arrangements.

(xi) Construction of recharge pit/Water Harvesting Structure is mandatory at existing bore well site as well as at new bore well site.

(xii) Identified about 30000 new bore wells/Tube wells/Filter points in the command area of 7 districts (4 Rayalaseema districts, 3 North coastal districts) under this programme.

(xiii) Identified about 20000 new borewells/Tube wells/Filter points in the non command area/high rainfall area of 3 north coastal districts under this programme at the cost of Rs.254 Crores.

(xiv) About 10000 bore wells at the cost of Rs.79 Crores which were already drilled in command area of the above 7 districts are also proposed under this programme subject to the eligibility criteria like small and marginal farmer, the area should be a safe area and command area etc.

(xv) Drilling cost of Rs.24,000/- in command area for a depth of 200 feet and Rs.32,000/- in non-command area for a depth of 300 feet from MGNREGS will be paid to the beneficiary after drilling of the bore well over and above the cost if any will have to borne by the beneficiary. This cost is to be reviewed/confirmed by the District Committee with the local rates. If local rates are less that will be considered.

(xvi) APTRANSCO will subsidize up to Rs.50,000/- for energisation. The cost over and above of Rs.50,000/- will be borne by the beneficiary.

(xvii) The Government will pay Rs.40,000/- from Special Development Fund (SDP) for purchase of motor and accessories. Over and above of Rs.40000/- towards the cost of the motor and accessories have to be borne by the farmer.

(xviii) Farmer contribution for SC and ST is 5% and for others is 20% (on the above two components towards energisation and motor cost).

(xix) Recharge pit is a mandatory at all the bore well sites @ Rs.5,000/- from MGNREGS funds.

(xx) Motor rates and bore drilling rates have to be fixed by the District Committee as per procedure as the above rates are only indicative.

(f) Eligibility Criteria :

(i) The small and marginal farmers (up to 5 acres land) those who are having the lands in *Command areas* and high rainfall areas of north coastal districts in *Non command area* with the Groundwater potential and without any existing bore well irrigation are eligible.

(ii) Only one source (Bore well/ Tube well/ Filter point well) is permitted in 5 acres area and the land shall be contiguous block.

(iii) The area shall be in safe category Groundwater basin with the utilization less than 70% of the annual replenishable groundwater in the basin.

(iv) Tail end areas/ areas irrigated once in command areas shall be prioritized

(v) After drilling, the borewell should yield 4500 Litres per hour which is a successful borewell for both command and non-command areas.

(vi) SC and ST farmers are to be given priority in the programme.

(vii) Eligible beneficiaries list is to be approved in the gramasabhas in the respective villages

(g) Drilling Bore well:-

(i) After receiving the sanction, the beneficiary will construct the Bore Well/ Tube Well/ Filter Point well at the recommended location duly informing to the concerned authority for inspection and yield test.

(ii) After drilling of the Bore well, the beneficiary has to submit the Bore well completion report to the PO/MPDO of respective Mandals with photograph.

(h) Administrative Cost :

For effective implementation of this project, the administrative cost of 5% of the project cost shall be met from beneficiaries contribution, SDP, Govt. funds.

(i) Funding at State Level:-

(i) In convergence with MGNREGS funds, SDP and State Government funds.
(ii) Allocation of funds to the Districts for various activities involved in the project with the approval of District Committee chaired by the District Collector

(j) Funds Flow in the Districts:-

(i) After completion of drilling and submission of well completion report for the successful bore well, the competent authority will arrange the prescribed payment through eFMS towards drilling cost.
(ii) Up to Rs.50,000/- A.P. TRANSCO will subsidize and over and above the Rs 50,000/- the beneficiary/ beneficiaries will have to pay the balance amount to the A.P. TRANSCO.
(iii) After release of power supply by TRANSCO Department, the competent authority will arrange the prescribed payment through eFMS towards purchase of Submersible Pump and accessories of ISI make.

(k) State level and District level Committees:-

Government constitutes committees at state level and District level to ensure effective implementation of the programme. The members and roles and responsibilities of the two committees are as under:

(l) Constitution of State Level Committee:-

Commissioner, RD	-	Convenor
Joint Managing Director APSIDC	-	Member
MD, A.P. Transco	-	Member
ENC, Irrigation	-	Member
Director, GWD	-	Member
CE, RWS	-	Member
Commissioner, Agriculture	-	Member
Commissioner, Horticulture	-	Member

(m) Role of the State Level Committee:-

(i) Finalize the modalities of the project and guide the District Level Committees from time to time in all aspects.
(ii) Review the physical and financial progress periodically and suggest suitable guidelines time to time for accelerating the project.

(n) Constitution of District level Committee:-

Dist. Collector	-	Chairman
Project Director, DWMA	-	Convenor
Dy. Director, GWD	-	Member
Executive Engineer, APSIDC	-	Member
DRO	-	Member

SE, Transco	-	Member
SE, Irrigation (Dist. Water Resources Officer)	-	Member
Joint Director, Agriculture	-	Member
Project Director, APMIP	-	Member

(o) Role of the District Level Committee:-

(i) District level committee under the chairmanship of the District Collector shall prepare Action Plan for implementation of the project in the district and will be overall incharge of the Scheme.
(ii) Co-ordinate and guide the Mandal Committees in implementation of the project
(iii) Accord sanctions the schemes to the eligible beneficiaries.
(iv) Review of the Physical and Financial progress in the District periodically and update the same to the State Level Committee.
(v) Resolve the bottle necks, if any arises in the District in implementation of the project.
(vi) Constitute mandal level committee for effective implementation of the project at gross root level.

(p) Well Completion Report:-

District: Mandal:

Village: Date of Drilling:

1	Name of the beneficiary/ beneficiaries with father's name	
2	Survey No. and Extent acres	
3	Latitude and Longitude	
4	Type of Well (Bore well/ Tube well/ Filter point well)	
5	Depth drilled in feets	
6	Diameter of the well in mm.	
7	Casing particulars in meters	
8	Water struck at in meters	
9	Well yield in liters per hour	
10	Static water level next day of completion of drilling in meters below ground level	
11	Distance from the nearest well in meters	
12	Name of the agency, who has drilled the well	
13	Drilled Agency Registration No.	
14	Date of drilled	
15	Whether the well is successful / failure (If the well yield is more than 4500 lph, the well is treated as successful)	
16	Distance from nearest LT (electrical) line in meters	
17	Remarks, if any	

*Enclose photograph of the bore well with farmer

Signature/ LTI of the
beneficiary/ beneficiaries

Signature of Inspecting officers
with name and mobile number

V. ***Role of the Departments :-***

(a) Andhra Pradesh State Irrigation Development Corporation (**APSIDC):**

(i) Provide all required software for day to day activities/ payments etc., to develop accurate, speedy and transparent system of functioning.

(ii) Provide technical support in respect of energization of Bore Wells including the selection of submersible pumps.

(iii) Training and capacity Building to all stakeholders at different levels.

(iv) Monitoring and Evaluation of the Project.

(v) Providing required infrastructure/logistics/ financial support etc., to the line departments involved in the project.

(vi) Financial Management through "eFMS".

(b) Rural Development Department:

(i) Co-ordinate between the State Level, District Level and Mandal Level functionaries.

(ii) Conduct meetings with all the concerned departments at different levels for proper implementation of the Project.

(iii) Convergence with all Funding Agencies.

(c) Ground Water Department:

(i) Provide list of Basins, Mandals, Villages falling in command area and Non- Command area in consultation with the Irrigation Department.

(ii) Arrange for conducting groundwater surveys for feasible site selection in the beneficiaries fields by utilising the services of field geologists of the GWD, RD department and register geologists etc.,.

(iii) Director at State Level and Dy. Directors at district level will facilitate in the Project implementation

(d) Andhra Pradesh Transmission Corporation(APTRANSCO) :

(i) Provide Electricity to all successful bore wells.

(ii) The SE, TRANSCO of respective districts will provide 100% energisation to the successful bore wells.

(e) Andhra Pradesh Micro Irrigation Project (APMIP) :

100% coverage of Micro Irrigation Systems (Drip and Sprinkler) as per field condition.

Component wise total project cost:

Sl. No	District	GW Dept. Proposed Bore Wells			Drilling of Bore wells & Recharge Pits cost (MGNREGS funds)			Energisation cost Rs. cr.	Motors cost Rs. cr.		Total Project Cost Rs. cr.
		Command Area	Non Command Area	Total	Command Area Rs. cr.	Non-Command Area Rs. cr.	Total Rs. Cr.		Govt. funds	Beneficiary contribution	
1	Srikakulam	9242	6610	15852	26.80	24.46	51.26	79.26	39.15	24.25	**193.93**
2	Vizianagaram	8176	7753	15929	23.71	28.69	52.40	79.65	39.34	24.37	**195.76**
3	Visakhapatnam	995	6305	7300	2.89	23.33	26.21	36.50	18.03	11.17	**91.91**
4	Chittoor	1020		1020	2.96	0.00	2.96	5.10	2.52	1.56	**12.14**
5	Kadapa	285		285	0.83	0.00	0.83	1.43	0.70	0.44	**3.39**
6	Ananthapur			0	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
7	Kurnool	10223		10223	29.65	0.00	29.65	51.12	25.25	15.64	**121.65**
Total		**29941**	**20668**	**50609**	**86.83**	**76.47**	**163.30**	**253.05**	**125.00**	**77.43**	**618.78**

VI. Source of Funding:

(Rs. Crores)

MGNREGS	163.30
AP TRANSCO	253.05
Government	125.00
Beneficiary Contribution	77.43
TOTAL	**618.78**

3. The Commissioner, Panchayat Raj and Rural Development shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

DINESH KUMAR
SPECIAL CHIEF SECRETARY TO GOVERNMENT (RD)

To:

The Commissioner, Panchayat Raj & Rural Development, AP, Hyderabad with a request to communicate to all the concerned in the State.
The Commissioner, Ground Water Department, AP, Hyderabad.
The Managing Director, APSIDC.
The Managing Director, APTRANSCO
The Managing Director, APMIP
All the District Collectors and District Programme Coordinators in the State.
All the Project Directors, DWMAs and Addl. Dist. Programme Coordinators in the State.
All the Programme Officers, MGNREGA / Mandal Parishad Development Officers in the State.
All the Project Officers, ITDA and Addl. Dist. Programme Coordinators in the State.

Copy to:

The PS to Minister (PR, RWS & NREGS)
The PS to Minister (RD, Housing & Sanitation)
The PS to Chief Secretary to Government
The PS to Special Chief Secretary(RD)
The PS to Joint Secretary to Chief Minister
The Technical Advisor, RD, O/o CRD
SF/SC

//FORWARDED :: BY ORDER//

SECTION OFFICER